

MANUFACTURING FOR ENERGY APPLICATIONS



At Prime, it's possible.

Advancing sustainability, efficiency, and innovation through cutting-edge solutions.

Prime-EMS collaborates with innovators in energy technologies across both clean and fossil fuel sectors, including solar power, battery solutions, intelligent power consumption devices, charging stations, advanced fossil fuel energy systems, and nuclear power solutions. With the rapid growth and transformation in these industries, Prime has evolved into a strategic supplier for a broad range of energy applications, that contribute to reliable and efficient energy generation.

Battery Solutions

Intelligent Power Consumption Devices

Charging Stations

Auxiliary Power Systems

Lighting Systems

Metering and Pump Systems

Nuclear Power Plant Data Acquisition Systems

35+
YEARS

3
FACILITIES

250+
EMPLOYEES



Your success is our Prime objective. | prime-ems.com

Prime

INDUSTRIAL & INSTRUMENTATION | MEDICAL MILITARY/AEROSPACE | ENERGY | TRANSPORTATION



Services

- Product Engineering
- Supply Chain Management
- Specialize in Moderate-to-High Volume, High Mix, High Complexity Assemblies
- Final Assembly & System Level Integration
- Test Development
- End Customer Order Fulfillment
- Repair, Logistics & End of Life Support
- Automated Conformal Coating



Time to Market

- Rapid NPI across diverse market segments
- Build-to-print lean manufacturing
- Tenured and experienced workforce
- Supply Chain expertise



Quality Certifications & Training

- ISO 9001 Certified
- AS9100 Certified
- ISO 13485 Certified
- ITAR Registered
- IPC Certified Program Managers
- IPC-A-610 Certified IPC Specialists
- IPC-A-620 Certified IPC Specialists
- J-STD-001 / Space Addendum Certified IPC Specialists
- IPC7711/7721 Certified IPC Specialists
- ANSI/ESD S20.20 Compliant
- Counterfeit Avoidance Plan per SAE AS5553 / IDEA-STD-1010
- IPC Certified Trainer



Financial Stability

- Over 35 years of success, profit and growth
- 100,000 sq. ft. across 3 manufacturing operations
- An INC 5000 *Fastest Growing Company*



Capabilities

- DFM and DFT Analysis
- Rapid Prototype / Quick Turn
- High-speed Panasonic NPM-W Versatile Platform
- Precision SMT placement lines
- HDI PCBs with High Layer Stackups, Blind and Buried Vias, and Microvias
- Precision Placement Expertise – 0.3 mm pitch BGA, uBGA, FPGA and as small as 01005 components
- Rigid and Rigid-Flex PCB Assemblies
- Inline 3D Solder Paste Volume Inspection
- Inline 3D Automated Optical Inspection
- X-Ray Inspection
- Process capable up to 18 x 24
- Convection reflow ovens w/13 heat zones
- Tin Lead / Lead Free Soldering
- Selective Soldering
- Ultrasonic Welding
- BGA Rework
- Traceability and Lot Control with QR Barcoding
- Automated Conformal Coating
- Potting
- Aqueous Cleaning
- Cleanliness Testing
- Functional Testing
- In-Circuit Testing
- Flying Probe Testing
- Silicon Expert Components Database
- Valor Manufacturing System
- Laser Etching
- RF experience across a variety of spectrums
- ESS Thermal Testing
- Depaneling Systems

Facility Locations

2925 Shawnee Industrial Way, Suite 200 | Suwanee, GA 30024
102 Technology Way | Havana, FL 32333
311 W. 10th Avenue | Havana FL 32333

